Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for forming a dual damascene interconnect in a dielectric, comprising:

etching a first aperture in the dielectric;

forming a poison barrier layer over part of the dielectric, which prevents resist poisoning by blocking nitrogen;

forming a patterned mask over the poison barrier layer; and

etching a second aperture into the low K dielectric layer, wherein at least part of the first aperture shares the same area as at least part of the second aperture.

- 2. (Original) The method, as recited in claim 1, wherein one aperture is within another aperture.
- 3. (Original) The method, as recited in claim 1, wherein the first aperture is a via and the second aperture is a trench wherein the via is within the trench.
- 4-5. (Canceled)
- 6. (Original) The method, as recited in claim 1, wherein the forming of the poison barrier layer comprises chemically treating surfaces of the first aperture to provide an H⁺ rich surface.

- 7. (Original) The method, as recited in claim 6, wherein the chemically treating comprises providing a wet chemical treatment with a solution with a pH of less than 7.
- 8. (Original) The method, as recited in claim 1, wherein the forming of the poison barrier layer comprises forming a nitrogen free barrier over surfaces of the first aperture.
- 9. (Original) The method, as recited in claim 1, wherein the forming of the poison barrier layer comprises forming a nitrogen free silicon oxide layer.
- 10. (Original) The method, as recited in claim 1, wherein the dielectric is a low-K dielectric.
- 11. (Original) The method, as recited in claim 10, further comprising the step of placing a copper diffusion barrier layer over surfaces of the first aperture and second aperture.
- 12. (Original) The method, as recited in claim 11, further comprising filling the first aperture and second aperture with copper.
- 13. (Original) The method, as recited in claim 12, wherein one aperture is within another aperture.
- 14. (Original) The method, as recited in claim 12, wherein the first aperture is a via and the second aperture is a trench, wherein the via is within the trench.

15-16. (Canceled)

- 17. (Original) The method, as recited in claim 12, wherein the forming of the poison barrier layer comprises chemically treating surfaces of the first aperture to provide an H⁺ rich surface.
- 18. (Original) The method, as recited in claim 17, wherein the chemically treating comprises providing a wet chemical treatment with a solution with a pH of less than 7.
- 19. (Original) The method, as recited in claim 12, wherein the forming of the poison barrier layer comprises forming a nitrogen free barrier over surfaces of the first aperture.
- 20. (Original) The method, as recited in claim 12, wherein the forming of the poison barrier layer comprises forming a nitrogen free silicon oxide layer.